(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 17 June 2004 (17.06.2004)

PCT

(10) International Publication Number WO 2004/050036 A2

(51) International Patent Classification7:

A61K

(21) International Application Number:

PCT/US2003/038444

- (22) International Filing Date: 3 December 2003 (03.12.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/430,908 60/469,602 4 December 2002 (04.12.2002) US 7 May 2003 (07.05.2003) US

- (71) Applicant (for all designated States except US): GLAXO GROUP LIMITED [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): AXTEN, Jeffrey, Michael [US/US]; 1250 Collegeville Road, Collegeville, PA 19426 (US). DARTOIS, Catherine, Genevieve, Yvette [FR/FR]; 33 rue Jean Monnet, 35760 Saint-Gregoire (FR). NADLER, Guy, Marguerite, Marie, Gérard [FR/FR]; 11 rue Paul Feval, 35000 Rennes (FR). PEARSON, Neil, David [GB/GB]; New Frontiers Sceince Park, Third Ave., Harlow, Essex CM19 5AW (GB).

- (74) Agent: MADDEN, Laura, K.; SMITHKLINE BEECHAM CORPORATION, Corporate Intellectual Proterty, UW2220,, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).
- (81) Designated States (national): AE, AG, AL, AU, BA, BB, BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, EG, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG, TN, TT, UA, US, UZ, VN, YU, ZA.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: QUINOLINES AND NITROGENATED DERIVATIVES THEREOF AND THEIR USE AS ANTIBACTERIAL AGENTS